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REMARKS

Claims 15-25, 27-30, 32, 34, 35, and 37-53 are pending in this application. Claims 25 and 37-39 are allowed. Claims 15, 23, 29, 32, and 34 have been amended. Support for the amendments is found in the specification and claims as filed.

Claim Rejections - 35 U.S.C. § 112

Claim 23 has been rejected as failing to comply with the enablement requirement. Although applicants do not necessarily agree with the propriety of the rejection, Claim 23 has been amended to recite an integrated system "wherein the medicament delivery device comprises a computer system associated with an implantable pump". In view of the foregoing amendment, Applicants respectfully request withdrawal of the rejection.

Claim Rejection - 35 U.S.C. § 102(e) – Knobbe et al.

Claims 29, 32, 34, 35, 42-52, and 55 have been rejected under 35 U.S.C. §102(e) as anticipated by U.S. Patent No. 6,572,545 to Knobbe et al. "A rejection for anticipation under section 102 requires that each and every limitation of the claimed invention be disclosed in a single prior art reference." *See, e.g., In re Paulsen*, 31 U.S.P.Q.2d 1671 (Fed. Cir. 1994). Shin et al. do not disclose every element of Applicants' claims, and therefore cannot be considered as an anticipating reference under 35 U.S.C. § 102(e).

Claim 29 as amended, from which Claims 42 depends, recites "[a]n integrated system for monitoring and treating diabetes, the system comprising: a continuous glucose sensor, wherein the glucose sensor substantially continuously measures glucose in a host for a period exceeding one hour, and outputs a data stream, including one or more sensor data points; a receiver operably connected to the glucose sensor, wherein the receiver is configured to receive the data stream; a medicament delivery device, wherein the delivery device is at least one of physically connectable and operably connectable to the receiver; and a single point glucose monitor configured to receive a biological sample from the host and measure the concentration of glucose in the sample, wherein the single point glucose monitor is operably connectable to the receiver, and wherein the receiver comprises programming configured to calculate at least one of a type, an amount, and a timing of a medicament to deliver via the medicament delivery device, wherein the programming configured to calculate comprises a glucose concentration measured by the single point glucose monitor as an input value." Knobbe et al. does not teach all elements of

Applicants' Claims, including but not limited to an integrated system "wherein the receiver comprises programming configured to calculate at least one of a type, an amount, and a timing of a medicament to deliver via the medicament delivery device, wherein the programming configured to calculate comprises a glucose concentration measured by the single point glucose monitor as an input value."

Claim 32 as amended, from which Claims 43, 44, 45, 46, 47, and 55 depend, recites "[a]n integrated system for monitoring and treating diabetes, the system comprising: a glucose sensor, wherein the glucose sensor substantially continuously measures glucose in a host for a period exceeding one hour, and outputs a data stream, including one or more sensor data points; a receiver operably connected to the glucose sensor, wherein the receiver is configured to receive the data stream; and a medicament delivery device, wherein the delivery device is at least one of physically and operably connectable to the receiver, wherein the receiver comprises a processor, wherein the processor comprises programming configured to calculate and output medicament delivery instructions, and wherein the processor further comprises programming configured to validate the medicament delivery instructions by prompting a user to provide a biological sample to a single point glucose monitor and by validating the medicament delivery instructions responsive to data obtained from the single point glucose monitor." Knobbe et al. does not teach all elements of Applicants' Claims, including but not limited to an integrated system "wherein the processor further comprises programming configured to validate the medicament delivery instructions by prompting a user to provide a biological sample to a single point glucose monitor and by validating the medicament delivery instructions responsive to data obtained from the single point glucose monitor."

Claim 34 as amended, from which Claims 48, 49, 50, 51, and 52 depend, recites "[a]n integrated system for monitoring and treating diabetes, the system comprising: a glucose sensor, wherein the glucose sensor substantially continuously measures glucose in a host for a period exceeding one hour, and outputs a data stream, including one or more sensor data points; a receiver operably connected to the glucose sensor, wherein the receiver is configured to receive the data stream; and a medicament delivery device, wherein the delivery device is at least one of physically and operably connectable to the receiver, wherein the receiver is configured to receive medicament delivery data responsive to medicament delivery for a first time period from the

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medicament delivery device, and wherein the receiver comprises a processor, and wherein the processor comprises programming configured to determine a host's metabolic response to the medicament delivery by evaluating the sensor data points substantially corresponding to delivery and release of the medicament delivery for the first time period, wherein the processor comprises programming configured to estimate glucose values for a second time period responsive to glucose sensor data and the host's metabolic response." Knobbe et al. does not teach all elements of Applicants' Claims, including but not limited to an integrated system "wherein the processor comprises programming configured to estimate glucose values for a second time period responsive to glucose sensor data and the host's metabolic response."

Accordingly, Applicants respectfully request that the rejection be withdrawn.

Claim Rejection - 35 U.S.C. §103(a) – Say et al. in view of Lav et al.

Claims 15-24, 27, and 28 have been rejected under 35 U.S.C. §103(a) as obvious over U.S. 6,175,752 to Say et al. in view of U.S. Patent No. 6,302,855 to Lav et al. It is well settled that the Examiner "bears the initial burden of presenting a *prima facie* case of unpatentability..." *In re Sullivan*, 498 F.3d 1345 (Fed. Cir. 2007). Until the Examiner has established a *prima facie* case of obviousness, the Applicant need not present arguments or evidence of non-obviousness. To establish a *prima facie* case of obviousness, the Examiner must establish at least three elements. First, the prior art reference (or references when combined) must teach or suggest all of the claim limitations: "All words in a claim must be considered in judging the patentability of that claim against the prior art." *In re Wilson*, 424 F.2d 1382, 165 U.S.P.Q. 494, 496 (CCPA 1970); *see also M.P.E.P. § 2143.03*. Second, there must be a reasonable expectation of success. *In re Merck & Co., Inc.*, 800 F.2d 1091 (Fed. Cir. 1986); *see also M.P.E.P. § 2143.02*. And finally, the Examiner must articulate some reason to modify or combine the cited references that renders the claim obvious. Merely establishing that the claimed elements can be found in the prior art is not sufficient to establish a *prima facie* case of obviousness:

As is clear from cases such as Adams, a patent composed of several elements is not proved obvious merely by demonstrating that each of its elements was, independently, known in the prior art. *KSR Int'l Co. v. Teleflex Inc.*, 127 S. Ct. 1727, 1741 (2007) (emphasis added).

Instead, the Court has made clear that the Examiner must establish a reason one of skill in the art would have combined the elements of the prior art, and that such reason must be more than a conclusory statement that it would have been obvious.

Often, it will be necessary for a court to look to interrelated teachings of multiple patents; the effects of demands known to the design community or present in the marketplace; and the background knowledge possessed by a person having ordinary skill in the art, all in order to determine whether there was an apparent reason to combine the known elements in the fashion claimed by the patent at issue. To facilitate review, this analysis should be made explicit. *See In re Kahn*, 441 F.3d 977, 988 (C.A.Fed.2006) (“[R]ejections on obviousness grounds cannot be sustained by mere conclusory statements; instead, there must be some articulated reasoning with some rational underpinning to support the legal conclusion of obviousness”). *KSR Int’l Co. v. Teleflex Inc.*, 127 S. Ct. 1727, 1740-1741 (2007).

Applicants respectfully submit that the pending claims as amended are not obvious under 35 U.S.C. § 103(a) for the reasons detailed below.

Amended Claim 15, from which Claims 16-24, 27, and 28 depend, recites “[a]n integrated system for monitoring and treating diabetes, the system comprising: a glucose sensor, wherein the glucose sensor substantially continuously measures glucose in a host for a period exceeding one hour, and outputs a data stream, including one or more sensor data points; a receiver operably connected to the glucose sensor, wherein the receiver is configured to receive the data stream; and a medicament delivery device, wherein the delivery device is physically detachably connectable to the receiver, wherein at least one of the receiver and the medicament delivery device comprises programming that automatically detects impending clinical risk and calculates a therapy recommendation responsive to the impending clinical risk, and wherein the at least one of the receiver and the medicament delivery device further comprises programming that requires the at least one of the receiver and the medicament delivery device to be at least one of validated and confirmed by a user interaction in response to a prompt on the user interface”.

Say et al. teaches a receiver that may have a secondary device that is detachably connected to the main receiver, and Lav et al. teaches an apparatus for treatment of diabetes comprising interconnectable devices including a body fluid analyzer and a medicament delivery device. However, neither Say et al. nor Lav et al. teaches or fairly suggests an integrated system “wherein at least one of the receiver and the medicament delivery device comprises programming

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that automatically detects impending clinical risk and calculates a therapy recommendation responsive to the impending clinical risk, and wherein the at least one of the receiver and the medicament delivery device further comprises programming that requires the at least one of the receiver and the medicament delivery device to be at least one of validated and confirmed by a user interaction in response to a prompt on the user interface” as recited in Claim 15 such that a *prima facie* case of obviousness can be established.

Accordingly, Applicants respectfully request the rejection be withdrawn.

Allowable Subject Matter

Applicants gratefully acknowledge the Examiner’s indication of allowability with respect to Claims 25 and 37-39.

No Disclaimers or Disavowals

Although the present communication may include alterations to the application or claims, or characterizations of claim scope or referenced art, Applicant is not conceding in this application that previously pending claims are not patentable over the cited references. Rather, any alterations or characterizations are being made to facilitate expeditious prosecution of this application. Applicant reserves the right to pursue at a later date any previously pending or other broader or narrower claims that capture any subject matter supported by the present disclosure, including subject matter found to be specifically disclaimed herein or by any prior prosecution. Accordingly, reviewers of this or any parent, child or related prosecution history shall not reasonably infer that Applicant has made any disclaimers or disavowals of any subject matter supported by the present application.

Co-Pending Applications of Assignee

Applicant wishes to draw the Examiner's attention to the following co-pending applications, expired applications, and granted patents of the present application's assignee.

| Docket No. | Serial No. | Title | Filed |
|-------------------|-------------------|---|--------------|
| DEXCOM.9CPDVC | 07/122395 | BIOLOGICAL FLUID MEASURING DEVICE | 11/19/1987 |
| DEXCOM.9CPDCP | 07/216683 | BIOLOGICAL FLUID MEASURING DEVICE | 7/7/1988 |
| DEXCOM.008A | 08/811473 | DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS | 3/4/1997 |
| DEXCOM.008DV1 | 09/447227 | DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS | 11/22/1999 |

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|----------------|-----------|--|------------|
| DEXCOM.8DVC1 | 09/489588 | DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS | 1/21/2000 |
| DEXCOM.8DVCP1 | 09/636369 | SYSTEMS AND METHODS FOR REMOTE MONITORING AND MODULATION OF MEDICAL DEVICES | 8/11/2000 |
| DEXCOM.006A | 09/916386 | MEMBRANE FOR USE WITH IMPLANTABLE DEVICES | 7/27/2001 |
| DEXCOM.007A | 09/916711 | SENSOR HEAD FOR USE WITH IMPLANTABLE DEVICE | 7/27/2001 |
| DEXCOM.8DVCP2 | 09/916858 | DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS | 7/27/2001 |
| DEXCOM.010A | 10/153356 | TECHNIQUES TO IMPROVE POLYURETHANE MEMBRANES FOR IMPLANTABLE GLUCOSE SENSORS | 5/22/2002 |
| DEXCOM.024A | 10/632537 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 8/1/2003 |
| DEXCOM.026A | 10/633329 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 8/1/2003 |
| DEXCOM.016A | 10/633367 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 8/1/2003 |
| DEXCOM.025A | 10/633404 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 8/1/2003 |
| DEXCOM.011A | 10/646333 | OPTIMIZED SENSOR GEOMETRY FOR AN IMPLANTABLE GLUCOSE SENSOR | 8/22/2003 |
| DEXCOM.012A | 10/647065 | POROUS MEMBRANES FOR USE WITH IMPLANTABLE DEVICES | 8/22/2003 |
| DEXCOM.027A | 10/648849 | SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM | 8/22/2003 |
| DEXCOM.8DVC1C1 | 10/657843 | DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS | 9/9/2003 |
| DEXCOM.028A | 10/695636 | SILICONE COMPOSITION FOR BIOCOMPATIBLE MEMBRANE | 10/28/2003 |
| DEXCOM.006C1 | 10/768889 | MEMBRANE FOR USE WITH IMPLANTABLE DEVICES | 1/29/2004 |
| DEXCOM.037A | 10/789359 | INTEGRATED DELIVERY DEVICE FOR CONTINUOUS GLUCOSE SENSOR | 2/26/2004 |

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| DEXCOM.045A | 10/838658 | IMPLANTABLE ANALYTE SENSOR | 5/3/2004 |
| DEXCOM.044A | 10/838909 | IMPLANTABLE ANALYTE SENSOR | 5/3/2004 |
| DEXCOM.043A | 10/838912 | IMPLANTABLE ANALYTE SENSOR | 5/3/2004 |
| DEXCOM.012CP1 | 10/842716 | BIOINTERFACE MEMBRANES INCORPORATING BIOACTIVE AGENTS | 5/10/2004 |
| DEXCOM.8DV1CP | 10/846150 | ANALYTE MEASURING DEVICE | 5/14/2004 |
| DEXCOM.048A | 10/885476 | SYSTEMS AND METHODS FOR MANUFACTURE OF AN ANALYTE- MEASURING DEVICE INCLUDING A MEMBRANE SYSTEM | 7/6/2004 |
| DEXCOM.019A | 10/896637 | ROLLED ELECTRODE ARRAY AND ITS METHOD FOR MANUFACTURE | 7/21/2004 |
| DEXCOM.021A | 10/896639 | OXYGEN ENHANCING MEMBRANE SYSTEMS FOR IMPLANTABLE DEVICES | 7/21/2004 |
| DEXCOM.020A | 10/896772 | INCREASING BIAS FOR OXYGEN PRODUCTION IN AN ELECTRODE SYSTEM | 7/21/2004 |
| DEXCOM.023A | 10/897312 | ELECTRODE SYSTEMS FOR ELECTROCHEMICAL SENSORS | 7/21/2004 |
| DEXCOM.022A | 10/897377 | ELECTROCHEMICAL SENSORS INCLUDING ELECTRODE SYSTEMS WITH INCREASED OXYGEN GENERATION | 7/21/2004 |
| DEXCOM.030A | 10/991353 | AFFINITY DOMAIN FOR ANALYTE SENSOR | 11/16/2004 |
| DEXCOM.032A | 10/991966 | INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR | 11/17/2004 |
| DEXCOM.038A | 11/004561 | CALIBRATION TECHNIQUES FOR A CONTINUOUS ANALYTE SENSOR | 12/3/2004 |
| DEXCOM.031A | 11/007635 | SYSTEMS AND METHODS FOR IMPROVING ELECTROCHEMICAL ANALYTE SENSORS | 12/7/2004 |
| DEXCOM.029A | 11/007920 | SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR | 12/8/2004 |
| DEXCOM.008DV1C | 11/021046 | DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS | 12/22/2004 |
| DEXCOM.007C1 | 11/021162 | SENSOR HEAD FOR USE WITH IMPLANTABLE DEVICES | 12/22/2004 |
| DEXCOM.040A | 11/034343 | COMPOSITE MATERIAL FOR IMPLANTABLE DEVICE | 1/11/2005 |

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| DEXCOM.039A | 11/034344 | IMPLANTABLE DEVICE WITH IMPROVED RADIO FREQUENCY CAPABILITIES | 1/11/2005 |
| DEXCOM.024C1 | 11/038340 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 1/18/2005 |
| DEXCOM.8DVCP2C | 11/039269 | DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS | 1/19/2005 |
| DEXCOM.034A | 11/055779 | BIOINTERFACE MEMBRANE WITH MACRO- AND MICRO-ARCHITECTURE | 2/9/2005 |
| DEXCOM.051A8 | 11/077643 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A5 | 11/077693 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A4 | 11/077713 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A6 | 11/077714 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A | 11/077715 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A10 | 11/077739 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A11 | 11/077740 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.050A | 11/077759 | TRANSCUTANEOUS MEDICAL DEVICE WITH VARIABLE STIFFNESS | 3/10/2005 |
| DEXCOM.051A7 | 11/077763 | METHOD AND SYSTEMS FOR INSERTING A TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A12 | 11/077765 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A1 | 11/077883 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A9 | 11/078072 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A2 | 11/078230 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.051A3 | 11/078232 | TRANSCUTANEOUS ANALYTE SENSOR | 3/10/2005 |
| DEXCOM.061A1 | 11/157365 | TRANSCUTANEOUS ANALYTE SENSOR | 6/21/2005 |
| DEXCOM.061A | 11/157746 | TRANSCUTANEOUS ANALYTE SENSOR | 6/21/2005 |

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| DEXCOM.061A2 | 11/158227 | TRANSCUTANEOUS ANALYTE SENSOR | 6/21/2005 |
| DEXCOM.016C1 | 11/201445 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 8/10/2005 |
| DEXCOM.010DV2 | 11/280102 | TECHNIQUES TO IMPROVE POLYURETHANE MEMBRANES FOR IMPLANTABLE GLUCOSE SENSORS | 11/16/2005 |
| DEXCOM.010DV1 | 11/280672 | TECHNIQUES TO IMPROVE POLYURETHANE MEMBRANES FOR IMPLANTABLE GLUCOSE SENSORS | 11/16/2005 |
| DEXCOM.063A | 11/333837 | LOW OXYGEN IN VIVO ANALYTE SENSOR | 1/17/2006 |
| DEXCOM.061CP1 | 11/334107 | TRANSCUTANEOUS ANALYTE SENSOR | 1/17/2006 |
| DEXCOM.061CP2 | 11/334876 | TRANSCUTANEOUS ANALYTE SENSOR | 1/18/2006 |
| DEXCOM.058A | 11/335879 | CELLULOSIC-BASED INTERFERENCE DOMAIN FOR AN ANALYTE SENSOR | 1/18/2006 |
| DEXCOM.077A | 11/360250 | ANALYTE SENSOR | 2/22/2006 |
| DEXCOM.061CP3 | 11/360252 | ANALYTE SENSOR | 2/22/2006 |
| DEXCOM.051CP1 | 11/360262 | ANALYTE SENSOR | 2/22/2006 |
| DEXCOM.051CP2 | 11/360299 | ANALYTE SENSOR | 2/22/2006 |
| DEXCOM.061CP4 | 11/360819 | ANALYTE SENSOR | 2/22/2006 |
| DEXCOM.053A | 11/373628 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA FOR SENSOR CALIBRATION | 3/9/2006 |
| DEXCOM.075A | 11/404417 | SILICONE BASED MEMBRANES FOR USE IN IMPLANTABLE GLUCOSE SENSORS | 4/14/2006 |
| DEXCOM.010CP1 | 11/404418 | SILICONE BASED MEMBRANES FOR USE IN IMPLANTABLE GLUCOSE SENSORS | 4/14/2006 |
| DEXCOM.054A1 | 11/404421 | ANALYTE SENSING BIOINTERFACE | 4/14/2006 |
| DEXCOM.054A | 11/404929 | ANALYTE SENSING BIOINTERFACE | 4/14/2006 |
| DEXCOM.054A2 | 11/404946 | ANALYTE SENSING BIOINTERFACE | 4/14/2006 |
| DEXCOM.021C1 | 11/410392 | OXYGEN ENHANCING MEMBRANE SYSTEMS FOR IMPLANTABLE DEVICES | 4/25/2006 |
| DEXCOM.021DV1 | 11/410555 | OXYGEN ENHANCING MEMBRANE SYSTEMS FOR IMPLANTABLE DEVICES | 4/25/2006 |

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| DEXCOM.051CP1C1 | 11/411656 | ANALYTE SENSOR | 4/26/2006 |
| DEXCOM.060A | 11/413238 | CELLULOSIC-BASED RESISTANCE DOMAIN FOR AN ANALYTE SENSOR | 4/28/2006 |
| DEXCOM.060A2 | 11/413242 | CELLULOSIC-BASED RESISTANCE DOMAIN FOR AN ANALYTE SENSOR | 4/28/2006 |
| DEXCOM.060A1 | 11/413356 | CELLULOSIC-BASED RESISTANCE DOMAIN FOR AN ANALYTE SENSOR | 4/28/2006 |
| DEXCOM.051C1 | 11/415593 | TRANSCUTANEOUS ANALYTE SENSOR | 5/2/2006 |
| DEXCOM.011DV3 | 11/415631 | OPTIMIZED SENSOR GEOMETRY FOR AN IMPLANTABLE GLUCOSE SENSOR | 5/2/2006 |
| DEXCOM.051C3 | 11/415999 | TRANSCUTANEOUS ANALYTE SENSOR | 5/2/2006 |
| DEXCOM.011DV1 | 11/416058 | OPTIMIZED SENSOR GEOMETRY FOR AN IMPLANTABLE GLUCOSE SENSOR | 5/2/2006 |
| DEXCOM.011DV2 | 11/416346 | OPTIMIZED SENSOR GEOMETRY FOR AN IMPLANTABLE GLUCOSE SENSOR | 5/2/2006 |
| DEXCOM.051C2 | 11/416375 | TRANSCUTANEOUS ANALYTE SENSOR | 5/2/2006 |
| DEXCOM.012CP1C2 | 11/416734 | BIOINTERFACE MEMBRANES INCORPORATING BIOACTIVE AGENTS | 5/3/2006 |
| DEXCOM.012CP1C1 | 11/416825 | BIOINTERFACE MEMBRANES INCORPORATING BIOACTIVE AGENTS | 5/3/2006 |
| DEXCOM.051CP4 | 11/439559 | ANALYTE SENSOR | 5/23/2006 |
| DEXCOM.051CP3 | 11/439630 | ANALYTE SENSOR | 5/23/2006 |
| DEXCOM.051CP5 | 11/439800 | ANALYTE SENSOR | 5/23/2006 |
| DEXCOM.61CP3CP1 | 11/445792 | ANALYTE SENSOR | 6/1/2006 |
| DEXCOM.027CP1 | 11/498410 | SYSTEMS AND METHODS FOR REPLACING SIGNAL ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM | 8/2/2006 |
| DEXCOM.51CP3CP1 | 11/503367 | ANALYTE SENSOR | 8/10/2006 |
| DEXCOM.27CP1CP2 | 11/515342 | SYSTEMS AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 9/1/2006 |
| DEXCOM.27CP1CP1 | 11/515443 | SYSTEMS AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 9/1/2006 |
| DEXCOM.088A | 11/543396 | ANALYTE SENSOR | 10/4/2006 |

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| DEXCOM.088A3 | 11/543404 | ANALYTE SENSOR | 10/4/2006 |
| DEXCOM.088A2 | 11/543490 | ANALYTE SENSOR | 10/4/2006 |
| DEXCOM.038CP2 | 11/543539 | DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR | 10/4/2006 |
| DEXCOM.038CP3 | 11/543683 | DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR | 10/4/2006 |
| DEXCOM.038CP1 | 11/543707 | DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR | 10/4/2006 |
| DEXCOM.038CP4 | 11/543734 | DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR | 10/4/2006 |
| DEXCOM.8DCP2CC1 | 11/546157 | DEVICE AND METHOD FOR DETERMINING ANALYTE LEVELS | 10/10/2006 |
| DEXCOM.012DV1 | 11/654135 | POROUS MEMBRANES FOR USE WITH IMPLANTABLE DEVICES | 1/17/2007 |
| DEXCOM.058CP1 | 11/654140 | MEMBRANES FOR AN ANALYTE SENSOR | 1/17/2007 |
| DEXCOM.058CP2 | 11/654327 | MEMBRANES FOR AN ANALYTE SENSOR | 1/17/2007 |
| DEXCOM.021CP1 | 11/675063 | ANALYTE SENSOR | 2/14/2007 |
| DEXCOM.51CP1CP1 | 11/681145 | ANALYTE SENSOR | 3/1/2007 |
| DEXCOM.61CP2CP1 | 11/690752 | TRANSCUTANEOUS ANALYTE SENSOR | 3/23/2007 |
| DEXCOM.088CP3 | 11/691424 | ANALYTE SENSOR | 3/26/2007 |
| DEXCOM.088CP1 | 11/691426 | ANALYTE SENSOR | 3/26/2007 |
| DEXCOM.088CP2 | 11/691432 | ANALYTE SENSOR | 3/26/2007 |
| DEXCOM.088CP4 | 11/691466 | ANALYTE SENSOR | 3/26/2007 |
| DEXCOM.38CP1CP1 | 11/692154 | DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR | 3/27/2007 |
| DEXCOM.61CP2CP4 | 11/734178 | TRANSCUTANEOUS ANALYTE SENSOR | 4/11/2007 |
| DEXCOM.61CP2CP2 | 11/734184 | TRANSCUTANEOUS ANALYTE SENSOR | 4/11/2007 |
| DEXCOM.61CP2CP3 | 11/734203 | TRANSCUTANEOUS ANALYTE SENSOR | 4/11/2007 |
| DEXCOM.093A | 11/750907 | ANALYTE SENSORS HAVING A SIGNAL-TO-NOISE RATIO SUBSTANTIALLY UNAFFECTED BY NON-CONSTANT NOISE | 5/18/2007 |
| DEXCOM.27CP1CP3 | 11/762638 | SYSTEMS AND METHODS FOR REPLACING SIGNAL DATA ARTIFACTS IN A GLUCOSE SENSOR DATA STREAM | 6/13/2007 |

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| DEXCOM.028DV1 | 11/763215 | SILICONE COMPOSITION FOR BIOCOMPATIBLE MEMBRANE | 6/14/2007 |
| DEXCOM.051C4 | 11/797520 | TRANSCUTANEOUS ANALYTE SENSOR | 5/3/2007 |
| DEXCOM.051C5 | 11/797521 | TRANSCUTANEOUS ANALYTE SENSOR | 5/3/2007 |
| DEXCOM.061CP2C2 | 11/842139 | TRANSCUTANEOUS ANALYTE SENSOR | 8/21/2007 |
| DEXCOM.061C1 | 11/842142 | TRANSCUTANEOUS ANALYTE SENSOR | 8/21/2007 |
| DEXCOM.61CP2CPC | 11/842143 | TRANSCUTANEOUS ANALYTE SENSOR | 8/20/2007 |
| DEXCOM.061CP4C1 | 11/842146 | ANALYTE SENSOR | 8/20/2007 |
| DEXCOM.061A1C1 | 11/842148 | TRANSCUTANEOUS ANALYTE SENSOR | 8/21/2007 |
| DEXCOM.61CP3CPC | 11/842149 | TRANSCUTANEOUS ANALYTE SENSOR | 8/21/2007 |
| DEXCOM.077C1 | 11/842151 | ANALYTE SENSOR | 8/21/2007 |
| DEXCOM.061CP2C1 | 11/842154 | TRANSCUTANEOUS ANALYTE SENSOR | 8/21/2007 |
| DEXCOM.093C1 | 11/842156 | ANALYTE SENSORS HAVING A SIGNAL-TO-NOISE RATIO SUBSTANTILALLY UNAFFECTED BY NON-CONSTANT NOISE | 8/21/2007 |
| DEXCOM.51P3P1C1 | 11/842157 | ANALYTE SENSOR | 8/21/2007 |
| DEXCOM.096A | 11/855101 | TRANSCUTANEOUS ANALYTE SENSOR | 9/13/2007 |
| DEXCOM.38CP1CP2 | 11/865572 | DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR | 10/1/2007 |
| DEXCOM.025C1 | 11/865660 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 10/1/2007 |
| DEXCOM.051A7C1 | 11/925603 | TRANSCUTANEOUS ANALYTE SENSOR | 10/26/2007 |
| DEXCOM.8DV1CPD2 | 12/037812 | ANALYTE MEASURING DEVICE | 2/26/2008 |
| DEXCOM.8DV1CPD1 | 12/037830 | ANALYTE MEASURING DEVICE | 2/26/2008 |
| DEXCOM.107A | 12/054953 | ANALYTE SENSOR | 3/25/2008 |
| DEXCOM.88CP1CP2 | 12/055078 | ANALYTE SENSOR | 3/25/2008 |
| DEXCOM.106A | 12/055098 | ANALYTE SENSOR | 3/25/2008 |
| DEXCOM.88CP1CP1 | 12/055114 | ANALYTE SENSOR | 3/25/2008 |
| DEXCOM.88CP1CP3 | 12/055149 | ANALYTE SENSOR | 3/25/2008 |

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| DEXCOM.88CP1CP4 | 12/055203 | ANALYTE SENSOR | 3/25/2008 |
| DEXCOM.88CP1CP5 | 12/055227 | ANALYTE SENSOR | 3/25/2008 |
| DEXCOM.024C1D2 | 12/098353 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 4/4/2008 |
| DEXCOM.024C1D1 | 12/098359 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 4/4/2008 |
| DEXCOM.024C1D3 | 12/098627 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 4/7/2008 |
| DEXCOM.051A6C3 | 12/101790 | TRANSCUTANEOUS ANALYTE SENSOR | 4/11/2008 |
| DEXCOM.051A9C1 | 12/101806 | TRANSCUTANEOUS ANALYTE SENSOR | 4/11/2008 |
| DEXCOM.051A6C2 | 12/101810 | TRANSCUTANEOUS ANALYTE SENSOR | 4/11/2008 |
| DEXCOM.016DV1 | 12/102654 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 4/14/2008 |
| DEXCOM.016DV2 | 12/102729 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 4/14/2008 |
| DEXCOM.016DV3 | 12/102745 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 4/14/2008 |
| DEXCOM.034DV1 | 12/103594 | BIOINTERFACE WITH MACRO- AND MICRO-ARCHITECTURE | 4/15/2008 |
| DEXCOM.050C1 | 12/105227 | TRANSCUTANEOUS MEDICAL DEVICE WITH VARIABLE STIFFNESS | 4/17/2008 |
| DEXCOM.038CP3C1 | 12/111062 | DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR | 4/28/2008 |
| DEXCOM.063C2 | 12/113508 | LOW OXYGEN IN VIVO ANALYTE SENSOR | 5/1/2008 |
| DEXCOM.063C1 | 12/113724 | LOW OXYGEN IN VIVO ANALYTE SENSOR | 5/1/2008 |
| DEXCOM.094A2 | 12/133738 | INTEGRATED MEDICAMENT DELIVERY DEVICE FOR USE WITH CONTINUOUS ANALYTE SENSOR | 6/5/2008 |
| DEXCOM.094A3 | 12/133761 | INTEGRATED MEDICAMENT DELIVERY DEVICE FOR USE WITH CONTINUOUS ANALYTE SENSOR | 6/5/2008 |

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| DEXCOM.094A4 | 12/133786 | INTEGRATED MEDICAMENT DELIVERY DEVICE FOR USE WITH CONTINUOUS ANALYTE SENSOR | 6/5/2008 |
| DEXCOM.037CP1 | 12/133820 | INTEGRATED MEDICAMENT DELIVERY DEVICE FOR USE WITH CONTINUOUS ANALYTE SENSOR | 6/5/2008 |
| DEXCOM.061A2DV1 | 12/137396 | TRANSCUTANEOUS ANALYTE SENSOR | 6/11/2008 |
| DEXCOM.023RE | 12/139305 | ELECTRODE SYSTEMS FOR ELECTROCHEMICAL SENSORS | 6/13/2008 |
| DEXCOM.051A8C1 | 12/175391 | TRANSCUTANEOUS ANALYTE SENSOR | 7/17/2008 |
| DEXCOM.032DV2 | 12/182008 | INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR | 7/29/2008 |
| DEXCOM.032DV1 | 12/182073 | INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR | 7/29/2008 |
| DEXCOM.032DV3 | 12/182083 | INTEGRATED RECEIVER FOR CONTINUOUS ANALYTE SENSOR | 7/29/2008 |
| DEXCOM.025C1C2 | 12/195191 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 8/20/2008 |
| DEXCOM.025C1C1 | 12/195773 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 8/21/2008 |
| DEXCOM.045DV1 | 12/247137 | IMPLANTABLE ANALYTE SENSOR | 10/7/2008 |
| DEXCOM.051CP3DV | 12/250918 | ANALYTE SENSOR | 10/14/2008 |
| DEXCOM.029DV2 | 12/252952 | SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR | 10/16/2008 |
| DEXCOM.029DV5 | 12/252967 | SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR | 10/16/2008 |
| DEXCOM.029DV1 | 12/252996 | SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR | 10/16/2008 |
| DEXCOM.029DV6 | 12/253064 | SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR | 10/16/2008 |
| DEXCOM.029DV3 | 12/253120 | SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR | 10/16/2008 |
| DEXCOM.029DV4 | 12/253125 | SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR | 10/16/2008 |
| DEXCOM.098A | 12/258235 | SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA | 10/24/2008 |
| DEXCOM.099A2 | 12/258318 | SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA | 10/24/2008 |
| DEXCOM.016CP1 | 12/258320 | SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA | 10/24/2008 |

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| DEXCOM.099A1 | 12/258325 | SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA | 10/24/2008 |
| DEXCOM.27CP1CP4 | 12/258335 | SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA | 10/24/2008 |
| DEXCOM.099A | 12/258345 | SYSTEMS AND METHODS FOR PROCESSING SENSOR DATA | 10/24/2008 |
| DEXCOM.007C1DV1 | 12/260017 | SENSOR HEAD FOR USE WITH IMPLANTABLE DEVICES | 10/28/2008 |
| DEXCOM.029C1 | 12/263993 | SIGNAL PROCESSING FOR CONTINUOUS ANALYTE SENSOR | 11/3/2008 |
| DEXCOM.38CPCPDV | 12/264160 | DUAL ELECTRODE SYSTEM FOR A CONTINUOUS ANALYTE SENSOR | 11/3/2008 |
| DEXCOM.043DV1 | 12/264835 | IMPLANTABLE ANALYTE SENSOR | 11/4/2008 |
| DEXCOM.88CPP5P6 | 12/267494 | INTEGRATED DEVICE FOR CONTINUOUS IN VIVO ANALYTE DETECTION AND SIMULTANEOUS CONTROL OF AN INFUSION DEVICE | 11/7/2008 |
| DEXCOM.038CP5 | 12/267518 | ANALYTE SENSOR | 11/7/2008 |
| DEXCOM.88CP1P1P | 12/267525 | ANALYTE SENSOR | 11/7/2008 |
| DEXCOM.88P1P1P2 | 12/267531 | ANALYTE SENSOR | 11/7/2008 |
| DEXCOM.025RX | 95/001038 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 4/17/2008 |
| DEXCOM.024RX | 95/001039 | SYSTEM AND METHODS FOR PROCESSING ANALYTE SENSOR DATA | 4/17/2008 |

Conclusion

In view of the foregoing amendments and remarks, it is respectfully submitted that the present application is in condition for allowance. Should the Examiner have any remaining concerns that might prevent the prompt allowance of the application, the Examiner is respectfully invited to contact the undersigned at the telephone number below.

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Please charge any additional fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: _____

11/24/08

By: _____



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(619) 235-8550

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